

BU9-98-121
Amendment dated 10/6/2003

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The following is a complete listing of all claims in the application, with an indication of the status of each:

Listing of claims:

- 1 1. (currently amended) A system for determining product availability,
2 comprising:
 - 3 a) at least one demand source for inputting demand information;
 - 4 b) a demand configurator receiving demand information from
5 each said at least one demand source and coordinating product requests
6 responsive to said received demand information according to customer request
7 rules and priorities, said rules and priorities including assignment of customers
8 to a plurality of forecast groups;
 - 9 c) a supply configurator receiving manufacturing and planning
10 data from a planning source and manipulating said received manufacturing
11 and planning data to create new supply data;
 - 12 d) a material resource engine for providing material supply
13 information responsive to said new supply data, said received demand
14 information and according to product supply rules and priorities; and
 - 15 e) a solver for optimizing product availability information
16 responsive to the material supply information and product supply rules and
17 priorities.
- 1 2. (original) The system of claim 1 wherein the supply configurator, deletes
2 from said received demand information all build options and all receipts to
3 create said new supply data.

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1 3. (original) The system of claim 2, wherein the demand configurator
2 determines how supply is grouped for a plurality of customers in a plurality of
3 forecast groups.

1 4. (original) The system of claim 3, wherein supply is mapped against actual
2 demand.

1 5. (original) The system of claim 4, wherein supply for a particular customer
2 group can be designated as supply for a plurality of demand types.

1 6. (original) The system of claim 4, wherein said plurality of demand types
2 includes backorders, firm orders, order move-ins, order move-outs and new
3 requests.

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1 7. (currently amended) A computer implemented method for determining
2 product availability comprising the steps of:

- 3 a) retrieving demand information from one or more demand
4 sources;
5 b) coordinating product requests responsive to said received
6 demand information according to customer request rules and priorities, said
7 rules and priorities including assignment of customers to a plurality of forecast
8 groups;
9 c) receiving manufacturing and planning data from a planning
10 source and manipulating said received manufacturing and planning data to
11 create new supply data responsive to said coordinated requests;
12 d) providing material supply information responsive to said new
13 supply data, said received demand information and according to product
14 supply rules and priorities; and

1 13. (currently amended) A computer program product comprising:
2 a computer usable medium having computer readable program code
3 embodied in said medium for determining product availability, said computer
4 program product having:

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- 5 (a) first computer program code for retrieving demand information
6 from one or more demand source;
- 7 (b) second computer program code for coordinating product requests
8 responsive to said received demand information according to customer request
9 rules and priorities, said rules and priorities including assignment of customers
10 to a plurality of forecast groups;
- 11 (c) third computer program code for receiving manufacturing and
12 planning data from a planning source and manipulating said received
13 manufacturing and planing data to create new supply data responsive to said
14 coordinated requests;
- 15 (d) fourth computer program code for providing material supply
16 information responsive to said new supply data, said received demand
17 information and according to product supply rules and priorities; and
- 18 (e) fifth computer program code for optimizing product availability
19 information responsive to the material supply information and product supply
20 rules and priorities.

1 14. (original) The computer program product of claim 13 wherein in the third
2 computer program code (c) for receiving manufacturing and planning data, all
3 build options and all receipts are deleted from said received demand
4 information to create said new supply data.

1 15. (original) The computer program product of claim 14, wherein in the
2 second computer program code (b) a determination is made how supply is
3 grouped for a plurality of customers in a plurality of forecast groups.

1 16. (original) The computer program product of claim 15, wherein supply is
2 mapped against actual demand in the second computer program code.

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1 17. (original) The computer program product of claim 16, wherein supply for
2 a particular customer group is designated as supply for a plurality of demand
3 types in the second computer program code.

1 18. (original) The computer program product of claim 17, wherein said
2 supply for a particular customer group is designated as either backorders, firm
3 orders, order move-ins, order move-outs or new requests in the second
4 computer program code.